

LNG technology wins 2007 Award for Excellence in Technology Transfer

On Thursday, May 17, the Federal Laboratory Consortium for Technology Transfer (FLC) recognized seven INL researchers with the 2007 Awards for Excellence in Technology Transfer. Also included in the recognition was Account Executive, David Anderson, who established an industry partnership and executed the commercialization of the technology.

INL's Compact High Efficiency Natural Gas Liquefier was selected to recognize "laboratory employees who have accomplished outstanding work in the process of transferring a technology developed by a federal laboratory to the commercial marketplace".

In 2000, a Cooperative Research and Development Agreement (CRADA) with PG&E and Southern California Gas Company (SCGC) led to the construction of a 10,000 gallon/day plant located in Sacramento. Its compact size and automated operation allowed the liquefaction facility to be located within Sacramento's Historic District. In June 2002, the unveiling of the small-scale natural gas liquefaction facility showcased the success of a public-private partnership between the INL, PG&E and SCGC.

Photo: LNG facility

Small-scale liquefied natural gas plants, that draw from existing natural gas lines, are becoming increasingly attractive.

Photo: LNG team

Following the success of the Sacramento facility, the California-based Southwest

Transportation Agency (STA), Hanover Compression LP, and the San Joaquin Valley Air Pollution Control District partnered with the INL to develop and demonstrate a liquid and compressed natural gas fueling station in Caruthers, California. Since April 2005, one-third of Fresno's school buses have been filling up at the INL-developed, state-of-the art natural gas fueling station at the Southwest Education Support Center in Caruthers, California.

In 2004, INL licensed the technology in a particular field of use to Hanover Compression LP. Hanover is a global market leader in full service natural gas compression and a leading provider of service, fabrication and equipment for oil and natural gas processing and transportation application.

Shown here with FLC and DOE representatives, INL's LNG team was recognized in May by the Federal Laboratory Consortium for their efforts in commercializing the Compact High Efficiency Natural Gas Liquefier. Bottom Row: Susan Sprake, FLC Vice-Chair; Michael McKellar, Bruce Wilding, Ida Shum, Ed Linsenmeyer, FLC Chair; Top Row: David Koegel, DOE Office of Science; David Anderson, Kerry Klingler, Terry Turner, Dennis Bingham. Not Shown: Frank Carney and Douglas Stacey.

INL's Compact High Efficiency Natural Gas Liquefier has generated worldwide licensing interest with inquiries from 36 countries. Representatives from many of these countries, including Canada, Mexico, Argentina, Brazil, Peru, Chile, Kazakhstan, Thailand and Bangladesh have visited the INL in Idaho Falls, Idaho, or the liquefaction facility in Sacramento, California.

Congratulations to the team of Bruce Wilding, Terry Turner, Michael

McKellar, Dennis Bingham, Frank Carney, Kerry Klingler, Douglas Stacey and David Anderson.

[View](#) the LNG fact sheet. (141kB PDF)

[View](#) the LNG video. (3.9MB WMV)

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